

Title (en)

Antenna device having enhanced reception sensitivity in wide bands

Title (de)

Antenne mit verbesserter Empfangsempfindlichkeit im Breitband

Title (fr)

Antenne ayant une sensibilité de réception améliorée dans les bandes larges

Publication

EP 1826874 A1 20070829 (EN)

Application

EP 06003972 A 20060227

Priority

EP 06003972 A 20060227

Abstract (en)

An antenna device includes a prism-shaped or plate-shaped base member made of a dielectric or magnetic material, band-shaped first and second radiation conductors wound around the base member and connected to each other, and a third radiation conductor wound around the base member and connected to the second radiation conductor. The first and second radiation conductors include a plurality of divided portions, and the divided first radiation conductor portions are connected in series by first variable capacitance elements, the divided second radiation conductor portions are connected in series by second variable capacitance elements, and a node between the first and second radiation conductors is used as a feeding end.

IPC 8 full level

H01Q 23/00 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01)

CPC (source: EP)

H01Q 1/362 (2013.01); **H01Q 3/247** (2013.01)

Citation (search report)

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Citation (examination)

- US 2004119647 A1 20040624 - HARIHARA YASUMASA [JP]
- US 6198442 B1 20010306 - RUTKOWSKI KIM [US], et al
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Designated contracting state (EPC)

DE ES FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1826874 A1 20070829

DOCDB simple family (application)

EP 06003972 A 20060227